

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODICATION TO THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 4 AND WESTPHALIA ROAD/OLD MARLBORO PIKE IN PRINCE GEORGE'S COUNTY.

THIS MODIFICATION INVOLVES PROVIDING SIDE STREET SPLIT OPERATION FOR WESTPHALIA ROAD AND OLD MARBORO PIKE, AND NEW LANE ASSIGNMENTS FOR OLD MARLBORO PIKE.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC ACTUATED WITH EXCLUSIVE LEFT-TURNS FOR MD 4.

THIS INTERSECTION WILL OPERATE IN A NEMA-SIX-PHASE, FULL-TRAFFIC ACTUATED MODE WITH EXCLUSIVE LEFT-TURNS FOR MD 4 AND SPLIT PHASING FOR THE SIDE STREET. THE FIRE PRE-EMPT WILL BE REPHASED FOR NORTH-BOUND OLD MARLBORO PIKE.

EQUIPMENT LISTS

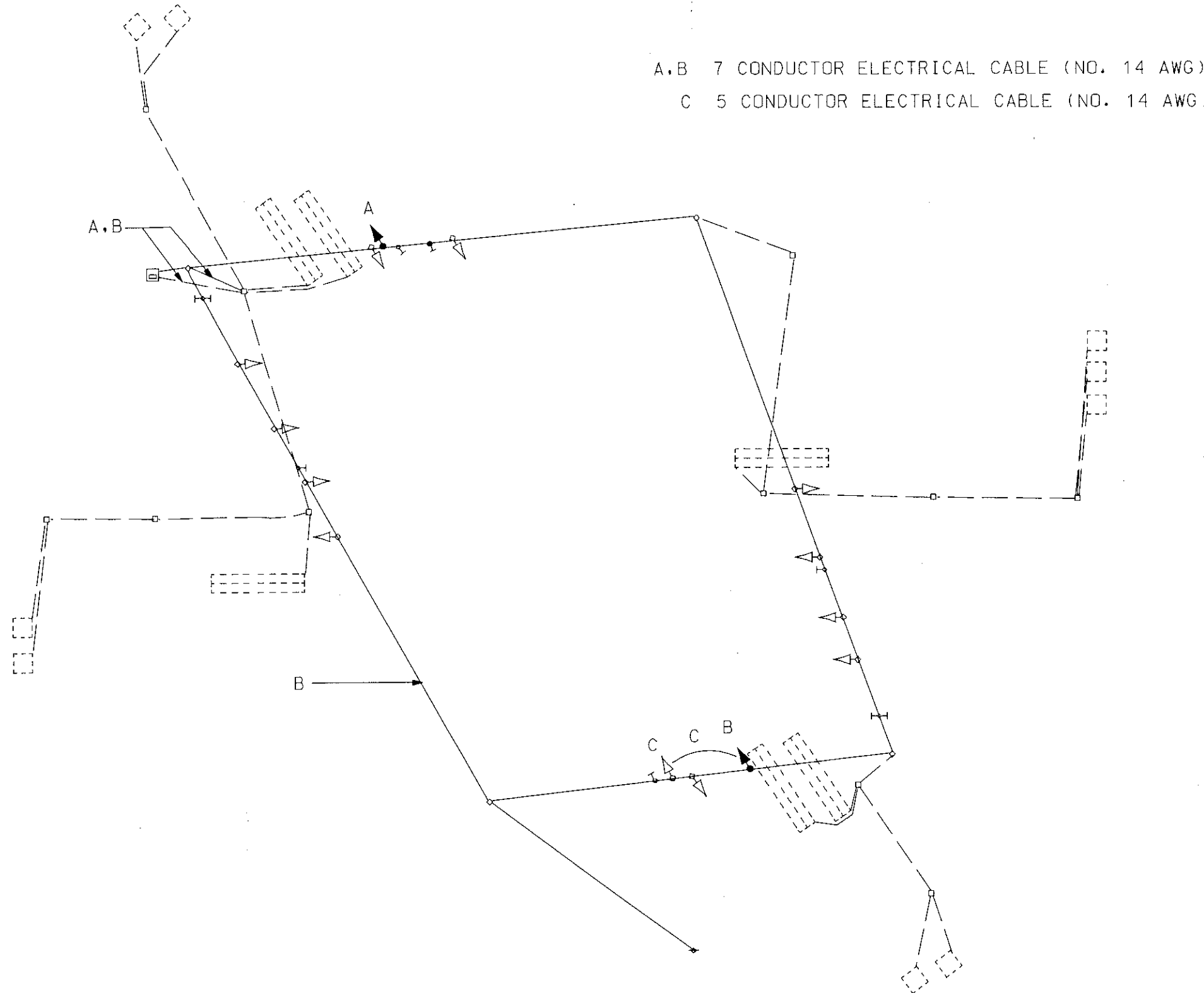
1. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

ITEM	QUANTITY	DESCRIPTION
9000	7.5 SF.	R3-6 SIGN (30" x 36") SPAN WIRE MOUNTED, 1 EACH
9000	42 SF.	D3-2 (MOD) (3' x 7') NEXT SIGNAL WESTPHALIA RD./OLD MARLBORO PIKE, GROUND MOUNTED - 2 EACH
9047	2 EA.	12" ONE-WAY, FOUR-SECTION (R,Y,G,GA) SIGNAL HEAD - SPAN WIRE MOUNTED

2. EQUIPMENT TO BE FURNISHED AND/OR INSTALED BY THE CONTRACTOR

ITEM	QUANTITY	DESCRIPTION
1001	1 EA.	MAINTENANCE OF TRAFFIC
5002	25 LF.	F & I 6" PERMANENT PREFORMED PAVEMENT MARKING TAPE
5007	4 EA.	F & I PERMANENT PAVEMENT MARKING ARROW
5009	2 EA.	REMOVE EXISTING PAVEMENT MARKING LETTER OR ARROW
8011	2 EA.	INSTALL SIGNAL HEAD (ANY TYPE)
8047	20 LF.	F & I ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8048	500 LF.	F & I ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8055	68 LF.	F & I WOODEN SIGN SUPPORTS 4 INCH x 6 INCH
8056	42 SF.	INSTALL GROUND MOUNTED SIGN
8057	7.5 SF.	INSTALL OVERHEAD SIGN
8064	1 EA.	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
8066	1 EA.	RESURVEY AND AS-BUILT TRAFFIC CONTROL DEVICE

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	◀R	◀R	R	R	◀R	◀R	R	R	Y	Y	R	Y	R	R
	◀Y	◀Y	Y	Y	◀Y	◀Y	Y	Y	G	G	G	G	G	G
	◀G	◀G	G	G	◀G	◀G	G	G	◀G	◀G	G	◀G	◀G	G
Phase 1 & 5	◀G-	◀G-	R	R	◀G-	◀G-	R	R	R	R	R	R	R	R
1 & 5 Change	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6													
Phase 1 & 6	◀G-	◀G-	G	G	◀R-	◀R-	R	R	R	R	R	R	R	R
1 Change	◀Y-	◀Y-	Y	Y	◀R-	◀R-	R	R	R	R	R	R	R	R
Phase 2 & 5	◀R-	◀R-	R	R	◀G-	◀G-	G	G	R	R	R	R	R	R
5 Change	◀R-	◀R-	R	R	◀Y-	◀Y-	Y	Y	R	R	R	R	R	R
Phase 2 & 6	◀R-	◀R-	G	G	◀R-	◀R-	G	G	R	R	R	R	R	R
2 & 6 Change	◀R-	◀R-	Y	Y	◀R-	◀R-	Y	Y	R	R	R	R	R	R
Phase 3	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	◀G-G	◀G-G	G
3 Change	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	Y	Y	Y
Phase 4	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G-G	◀G-G	G	R	R	R
4 Change	◀R-	◀R-	R	R	◀R-	◀R-	R	R	Y	Y	Y	R	R	R
Flashing	FL/◀R	FL/◀R	FL/Y	FL/Y	FL/◀R	FL/◀R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R
Operation	◀R	◀R	R	R	◀R	◀R	R	R	R	R	R	R	R	R

REVISIONS		APPROVALS ORIGINAL ON FILE		MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION	
		ASST. DIVISION CHIEF, TRAFFIC		MD 4 AND WESTPHALIA ROAD/OLD MARLBORO PIKE	
		ASST. DISTRICT ENGINEER, TRAFFIC		GENERAL INFORMATION	
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION		DATE 8 / 1 / 80	
		DIRECTOR, OFFICE OF TRAFFIC & SAFETY		DRAWN BY: L.C. HOLMBERG	
				CHECK BY: J.W. WALLACE	
				F.A.P. NO. N/A	
				S.H.A. NO. P-637-501-385	
				COUNTY PRINCE GEORGE'S	
				SCALE: 1" = 20'	
				PLAN SHEET NO. TS-493E	
				SHEET NO. 2 OF 2	